General Purpose Motors

Model No: 284TTDBD6076
Catalog No: GT0060

General Purpose Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 284T Frame, DP

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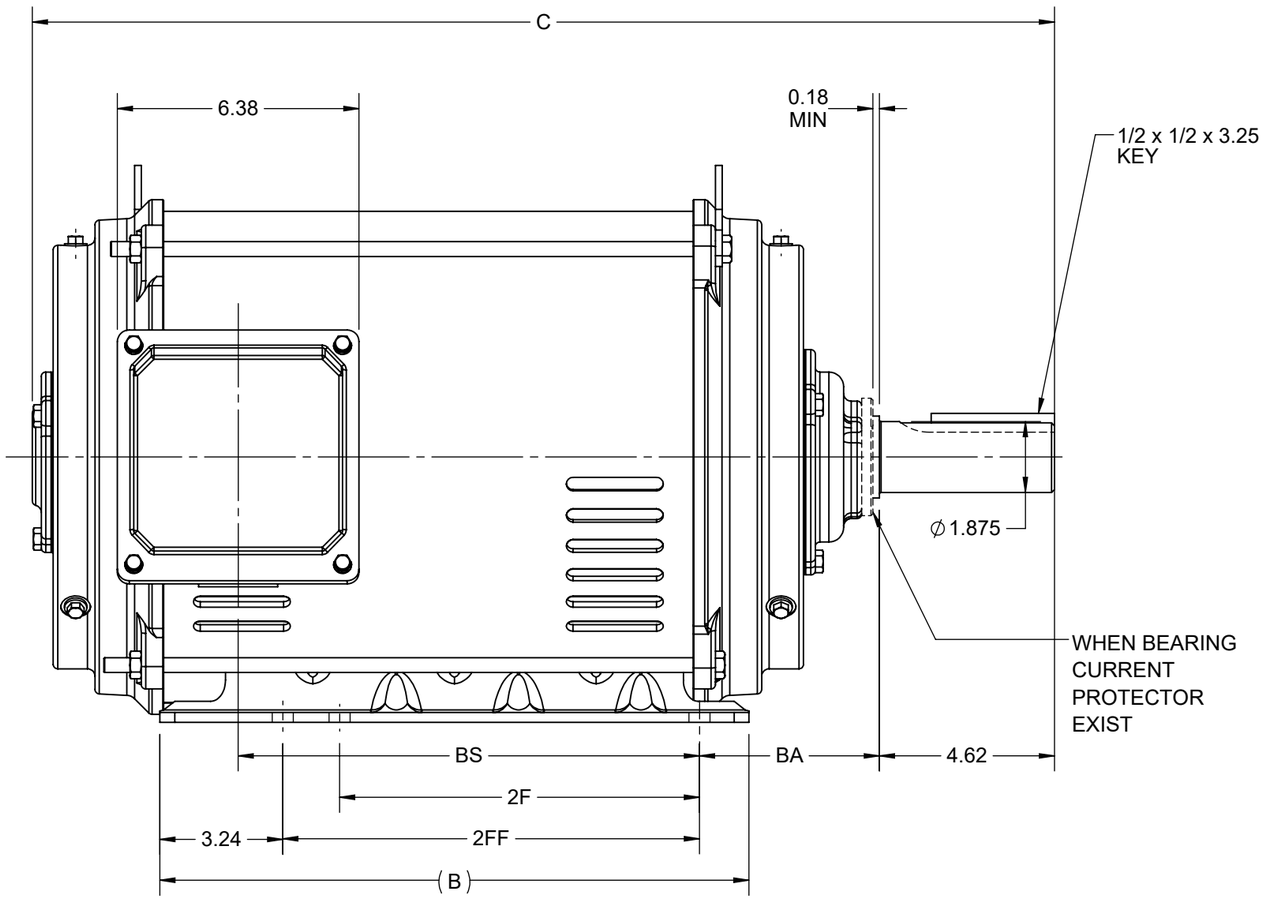
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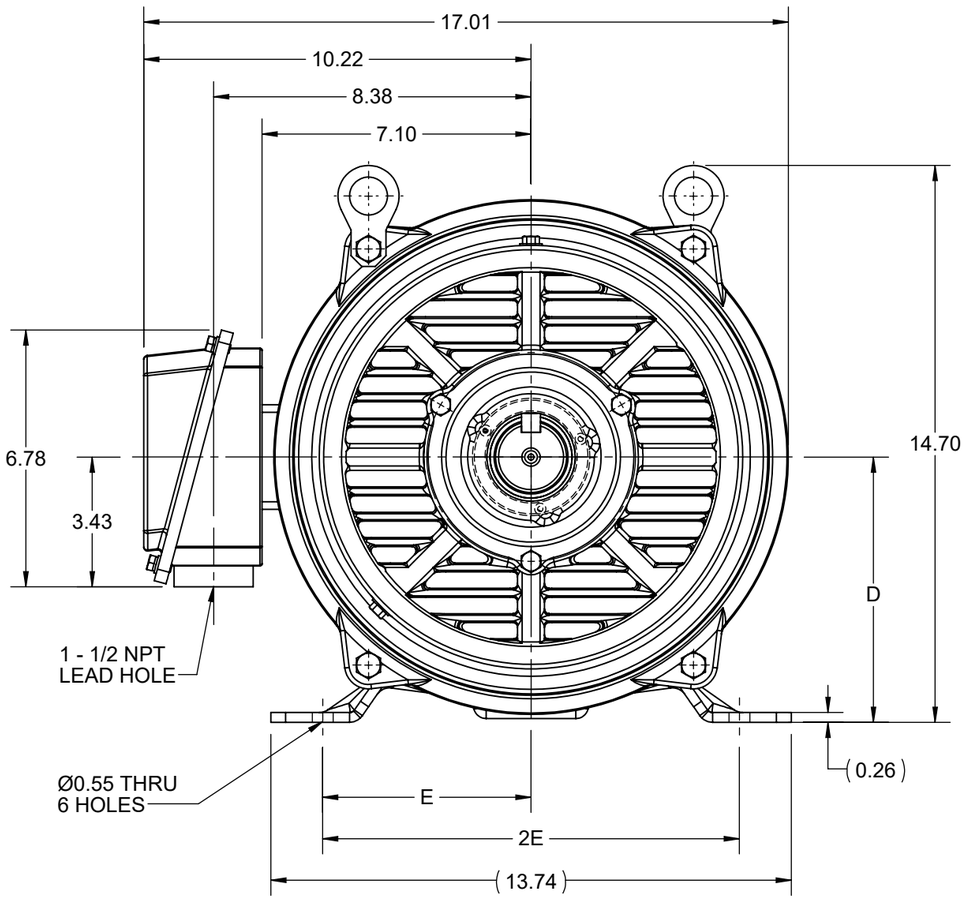
Product Information Packet: Model No: 284TTDBD6076, Catalog No: GT0060 General Purpose Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 284T Frame, DP

Nameplate Specifications			
Phase	**3**	Output HP	**15 & 10 Hp**
Output KW	**11.2 & 7.5 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1184 & 988 r/min**	Synchronous RPM	**1200 & 1000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**284T**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**91.7 & 91 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**41/20.6 & 35/17.5 A**
Power Factor	**74.5**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6311**
Opp Drive End Bearing Size	**6210**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**
Technical Specifications			
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter**
Poles	**6**	Rotation	**Reversible**
Resistance Main	**.7266 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Overall Length	**25.71 in**
Frame Length	**12.59 in**	Shaft Diameter	**1.875 in**
Shaft Extension	**4.62 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 2:1/Variable 10:1**		
Drawings			
Connection Drawing	**EE7308AA**	Outline Drawing	**SS620687-100**

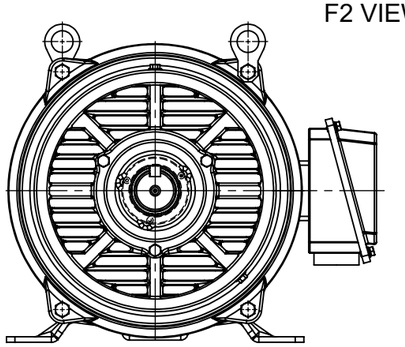
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DASH NO.	B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	15.55	25.60	7.00	5.50	11.00	9.50	11.00	4.75	10.80	F1 OR F2	284T
200		26.98							12.18		286T





F2 VIEW



DRAWING REVISION	REVISION BY	REV DATE/© DATE
F	SB	07/22/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023556	SBD	07/22/2025

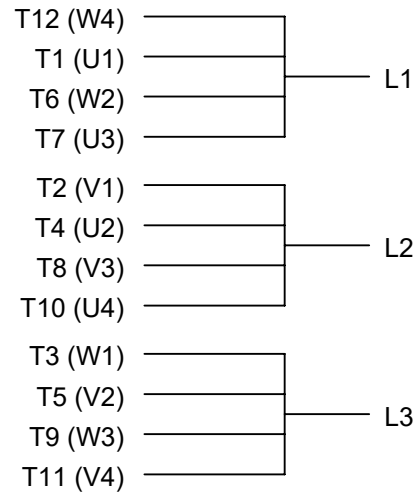
REQUEST NUMBER DESCRIPTION
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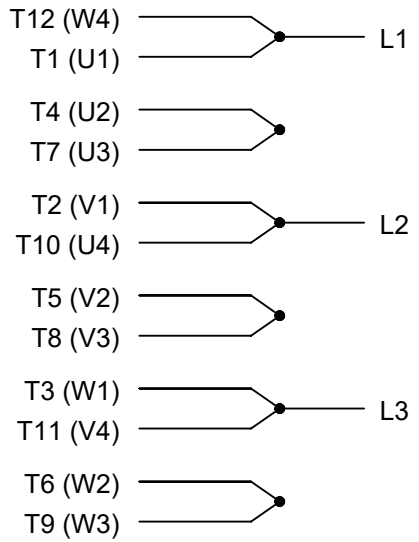
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY	DESCRIPTION
XZ	OUTLINE
DATE: 17/04/2017	284/286T FR NEMA ODP RS
APPROVED BY	
DATE	
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS620687 / SHEET: 1 OF 1

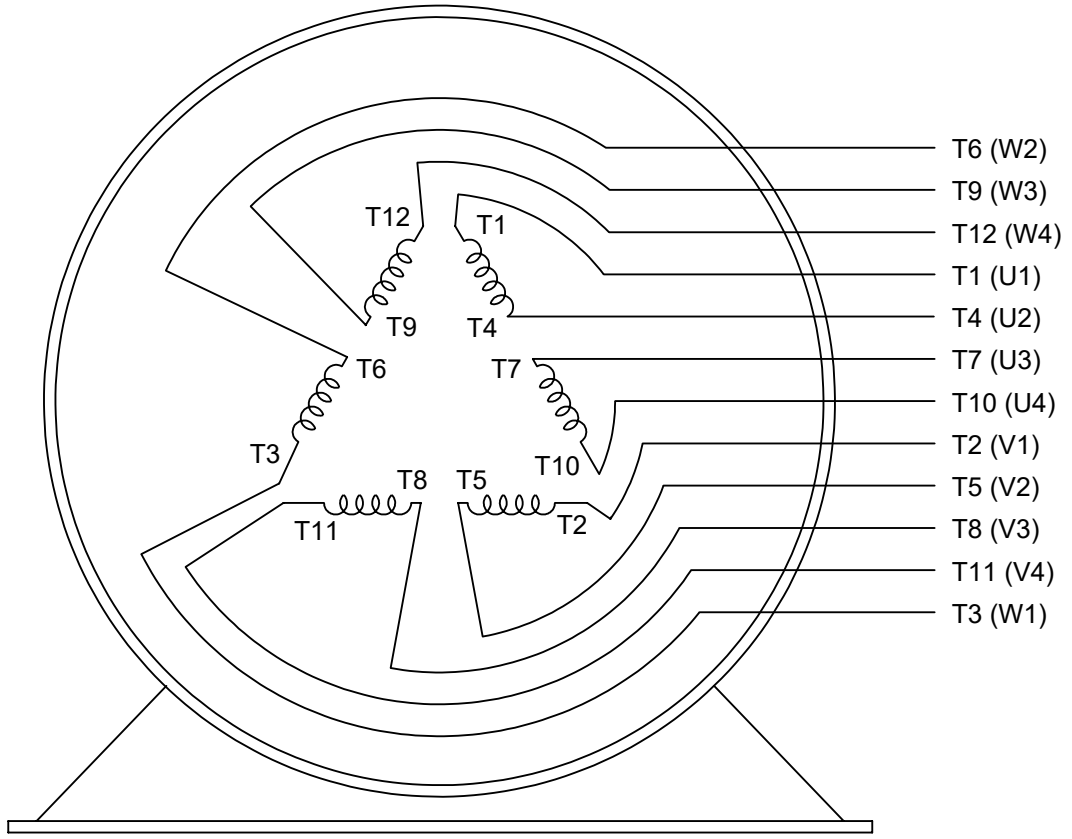
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LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION: L	REVISION BY: SB	REV DATE/© DATE: 08/01/2025	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY: LZ	marathon™
REQUEST NUMBER: CR-0023654	APPROVED BY: SBD	DATE: 08/01/2025		DATE: 01-12-1994	
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED				APPROVED BY: GK	DESCRIPTION: CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS
				DATE: 01-14-1994	
				REFERENCE	MATERIAL / PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE: A / DRAWING NUMBER: EE7308AA / SHEET: 1 OF 1

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Data Sheet

Date: 12/2/2021
Customer:
Attention:
Submitted by:

marathon® Motors

284TTDBD6076

Submittal

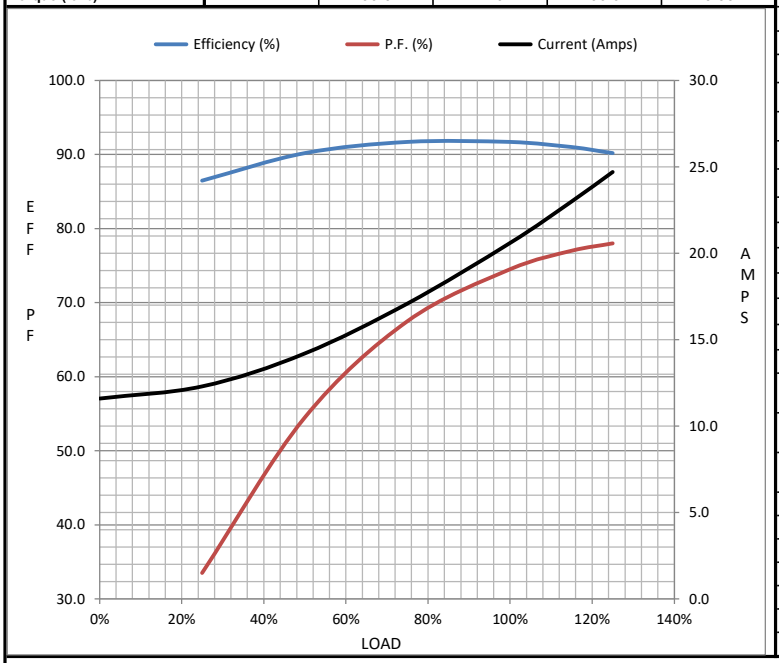
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	11.6	12.3	14.2	17.1	20.6	23.0	24.7	112	
Torque (ft-lb)	0.00	16.5	33.0	49.8	66.6	76.7	83.6	117	
RPM	1200	1195	1192	1188	1184	1,180	1180	0	
Efficiency (%)		86.5	90.2	91.7	91.7	91.0	90.2		
P.F. (%)	5.0	33.5	54.5	67.5	74.5	77.0	78.0	42.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1100	1184	1200
Current (Amps)	112	100	69.0	20.6	11.6
Torque (ft-lb)	117	99.0	176	66.6	0.00



Information Block

HP	15.0	
Sync. RPM	1200	
Frame	284	
Enclosure	DP	
Construction	TDB	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	45	° C
Duty	CONT	
Ambient	40	° C
Elevation	3,300	feet
Rotor/Shaft wk²	4.8	Lb-Ft²
Ref Wdg	HA31806008 NONE	
Sound Pressure @ 1M	65	dBA
VFD Rating	CONSTANT 2:1/VARIABLE 20:1	
Outline Dwg	SS620687-100	
Conn. Diag	EE7308AA	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.4570	0.2040	1.2380	1.7260	23.2280

Speed -Torque Curve

